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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,808	09/22/2003	Andrew Doddington	14846-16	2172

		EXAMINER
7590	11/21/2006	ONI, OLUBUSOLA

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ART UNIT	PAPER NUMBER
2168	

DATE MAILED: 11/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>05 September 2006</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-11</u> is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-11</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☐ All   b)☐ Some * c)☐ None of:

   1.☐ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to communication: Application, filed on 09/05/2006.

Response to Amendment

2.   The amendment filed September 05, 2006 has been entered. Claims 1, and 2

have been amended.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or

described as set forth in section 102 of this title, if the differences between the subject

matter sought to be patented and the prior art are such that the subject matter as a

whole would have been obvious at the time the invention was made to a person having

ordinary skill in the art to which said subject matter pertains. Patentability shall not be

negatived by the manner in which the invention was made.

4.   Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over by

Norton et al. (U.S 20030140332) hereinafter "Norton" in the view of Fuh et al.

(20040073870) hereinafter "Fuh".

For claim 1, Norton teaches "a method for use in a distributed processing system to specify an application service comprising; defining a schema comprising an operation having a plurality of arguments, the schema having a nested operation" (See paragraph [0027], code sample 1 and 4)

Norton does not explicitly teach, "Validating said the operation's signature"

However, Fuh teaches "Validating said the operation's signature" (See paragraph [0057-0095], fig.4&16).

It would have been obvious to one of ordinary skill in that art at the time of the invention to modify Norton with teachings of Fuh to make sure documents fit within the described model of a class of documents and also ensure the compliance prior to their use in data storage and processing.

Norton does not explicitly teach "Executing said operation in said distributed processing system".

However, Fuh teaches "Executing said operation in said distributed processing system" (See paragraph [0095-0096]).

For claim 2, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Norton does not explicitly teaches "comprising validating the operation's payload after validation of the contents of the payload".

However, Fuh teaches "comprising validating the operation's payload after validation of the contents of the payload" (See paragraph [0057-0095], fig.4&16).

For claim 3, this claim is rejected on grounds corresponding to the argument give above

for rejected claim 1 above. Norton teaches, " wherein defining a schema comprising an

operation having a plurality of arguments comprises defining a schema having a

plurality of nested operation" (Code sample 1).

For claim 4, this claim is rejected on grounds corresponding to the argument give above

for rejected claim 3 above. Norton teaches "wherein defining a schema comprising an

operation having a plurality of nested operations comprises defining a schema having

one or more nested operations in one or more of said nested operations" (Code sample

1-3).

For claim 5, this claim is rejected on grounds corresponding to the argument give above

for rejected claim 2 above. Norton does not explicitly teach "wherein validating said

schema further includes validating said nested operation".

However, Fuh teaches "wherein validating said schema further includes validating said

nested operation" (See paragraph [0057-0095], fig.4&16).

For claim 6, this claim is rejected on grounds corresponding to the argument give above

for rejected claim 3 above. Norton does not explicitly teach "wherein validating said

schema further includes validating said plurality of nested operations".

However, Fuh teaches "wherein validating said schema further includes validating said

plurality of nested operations"(See paragraph [0057-0095], fig.4&16).

For claim 7, this claim is rejected on grounds corresponding to the argument give above for rejected claim 4 above. Norton does not explicitly teach "wherein validating said schema further includes validating said one or more of said nested operation in one or more of said nested operations".

However, Fuh teaches "wherein validating said schema further includes validating said one or more of said nested operation in one or more of said nested operations"(See paragraph [0057-0095], fig.4&16).

For claim 8, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Norton teaches "the step of generating a program to perform the defined operation" (See paragraph [0006-0010]).

For claim 9, this claim is rejected on grounds corresponding to the argument give above for rejected claim 1 above. Norton teaches " the step of distributing operations to one or more members of the distributed system" (See paragraph [0007-0010]).

For claim 10, this claim is rejected on grounds corresponding to the argument give above for rejected claim 9 above. Norton teaches " wherein said step of defining a schema includes indicating one or more points where distributing operations is beneficial" (See paragraph [0007-0010]).

For claim 11, this claim is rejected on grounds corresponding to the argument give

above for rejected claim 1 above. Norton teaches "wherein the step of defining a

schema comprises defining a schema in XML" (Code sample 1).

Response to Argument

5.   Applicant's argument filed September 5, 2006 has been fully considered but they

are not persuasive. The examiner respectfully traverses applicant's arguments.

As per claim1 applicant argued that Norton does not teach "defining a schema

comprising an operation having a plurality of arguments, the schema having a nested

operation". On the contrary paragraph [0027], code sample 1 and 4, of Norton's

teaching involve creating a program, which is synonymous to applicant's producing of

program.

Applicant also argued that Norton does not teaches "Validating said the operation's

signature". On the contrary Norton does not explicitly teach "Validating said the

operation's signature". However, Fuh teaches at paragraph 0057-0095, fig.4&16.

It would have been obvious to one of ordinary skill in that art at the time of the invention

to modify Norton with teachings of Fuh to make sure documents fit within the described

model of a class of documents and also ensure the compliance prior to their use in data

storage and processing.

Norton does not explicitly teach "Executing said operation in said distributed processing

system". However, at paragraph 0095-0096, Fuh teaches "Executing said operation in

said distributed processing system".

As per claim 2, applicant argued that Norton and Fuh do not explicitly teaches

"comprising validating the operation's payload after validation of the contents of the

payload".

However, Fuh teaches at paragraph 0057-0095, fig.4&16 validating the operation's

payload after validation of the contents of the payload, wherein Fuh's teaches validating

an XML document, and loading the validated XML document in the runtime validation

engine. The runtime validation engine comprises a generic XML parser and a runtime

schema validation parser. However, XML parser performs either a low or high level

validation of the validated XML document.

CONCULSION

5.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

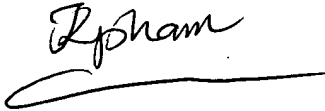policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to OLUBUSOLA ONI whose telephone number is 571-

272-2738. The examiner can normally be reached on 7.30-5.00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, TIM VO can be reached on 571-272-3642. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

only. For more information about the PAIR system, see http://pair-direct.uspto.gov.

Should you have questions on access to the Private PAIR system, contact the

Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like

assistance from a USPTO Customer Service Representative or access to the

automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-

272-1000.

OLUBUSOLA ONI
Examiner
Art Unit 2168